M. A. R. 57 (Rule 116)
Measurement Book

No. B 225027

erial No. 1st and final Bill

ame of Work ..... From..... To.....

ame of Contractor of nature of Agency ..... Technical Manager (West) KRIDL Bangalore.

ate of commencement of work ..... Date of Recordg : 12/09/2018

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of Works	Drilly of Borewells and Providing pump motor at ~~Shettyhally~~ Medarahally and ~~Dbagur~~ Chikkasandra villages and surrounding areas Ward No. 12, Shettyhally Sub-Division.					
	Estimated Cost Rs	50.00 Lakhs					
	NIB. No	: 012-18-0000220.				P-Code. 0190 [Mayor Grants 2017-18]	
	Work order no	- BBMP/EE/DO/WO/204/2017-18.				Dt. 20.01.2018	
	Date of Commencement	: 24-01-2018					

Scanned by CamScanner

MEASUREMENT BOOK

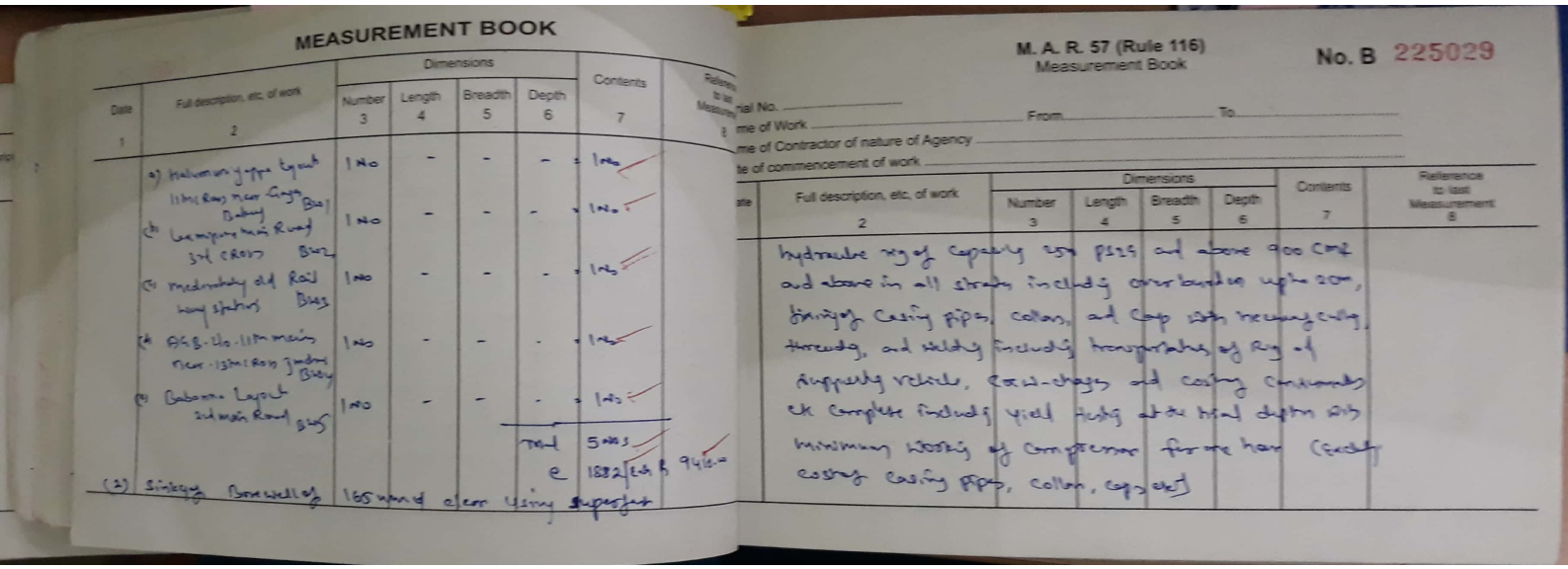
M. A. R. 57 (Rule 116)
Measurement Book

No. B 225028

Serial No. .....
Name of Work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Date of completion of work.						
	① Geophysical investigations of site for activity of aquifers for supplying drinking water in the habitation system through hand pump, wells or piped by resistivity method, including by adopting resistivity schlumberger's method, including reconnaissance survey of geological formation, geological investigations of existing ground water in vicinity, its quality, quantity and acceptability of the water indicating the location site recommended depth of casing pipe required, to reach the top unconsolidated formation including an extra depth of 1.00 mtrs in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifers proposed to be tapped, probable yield and other information required, including transportation of personnel and accessories to work site, Engaging technical personnel and labour required to complete and on periodic inspections of Engineer incharge of the work						

Scanned by CamScanner



MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	a) Halemane gypsum layout 11th Road near Ginger Bldg	1 No	-	-	-	1 No	
	b) Laxmipura main Road 3rd cross Bldg	1 No	-	-	-	1 No	
	c) Medahally old Rail way station Bldg	1 No	-	-	-	1 No	
	d) B.G.S. Lo. 11th main near 13th Road garden Bldg	1 No	-	-	-	1 No	
	e) Gubbanna Layout 2nd main Road Bldg	1 No	-	-	-	1 No	
					Total	5 Nos	
					@	1882/Each	9412.00
(2)	Sinking Borewell of	165 mm dia	clear	using	Rigmachine		

M. A. R. 57 (Rule 116)
Measurement Book

No. B 225029

Serial No. .....
Name of Work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
	2	3	4	5	6	7	8
	hydraulic rig of capacity 250 psis and above 900 cmt and above in all strata including overburden upto 20m, sinking Casing pipes, collars, and Cap with necessary cutting, threading, and welding including transportation of Rig of Supporting vehicle, Crew-charges and casting consumables etc complete including yield testing at the final depth with minimum working of Compressor for one hour (excluding casing Casing pipes, collar, caps etc)						

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Qty	vide	this	MB	-	P.No. 225029	(1)
	(a) 0.00 to 50.00 mtr	-	-	-	-	= 250.00 mtr @ 315.15/-	78795.00
	(b) 50.00 to 100.00 mtr	-	-	-	-	= 250.00 mtr @ 412.60/-	103150.00
	(c) 100.00 to 150.00 mtr	-	-	-	-	= 250.00 mtr @ 458.32/-	114580.00
	(d) 150.00 to 200.00 mtr	-	-	-	-	= 250.00 mtr @ 484.10/-	121025.00
	(e) 200.00 to 250.00 mtr	-	-	-	-	= 250.00 mtr @ 560.32/-	140080.00
	(f) 250.00 to 300.00 mtr	-	-	-	-	= 250.00 mtr @ 600.00/-	150000.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 225030

...ial No. .....
...me of Work ..... From..... To.....
...me of Contractor of nature of Agency .....
...te of commencement of work .....

...te	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
	2	3	4	5	6	7	8
	g) 300.00 to 320.00 mtr	-	-	-	-	= 99.00 mtr @ 640.60/mtr	Rs 63413.40
	37) Supplying of 25 mm nominal Bore medium grade, ERW Casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube unstamped conforming to IS-1387/1993 and manufactured from hot Rolled Steel strips in Random lengths of 4 to 7 mtr both Ends threaded Conforming to IS-554/1985						

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	one end (including of all taxes)						
	Qty vide this mb. p. no 225079						
	" " (1) = 345.00 mtr @ 1325/m					457125	
4)	Providing and fixing 250 mm dia. pvc pipe as per specifications and directions of Engineer-in-charge						
	Qty vide this mb. p. 225079						
	" " (1) = 90.00 mtr @ 1133/mt					101970	
5)	175 mm dia. M.S Casing Cap						
	= 5 Nos @ 100/ Each Rs					500	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 225031

...al No. .....
...ne of Work ..... From..... To.....
...ne of Contractor of nature of Agency .....
...e of commencement of work .....

te	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
6)	Supply of 175 mm M.S. Collars Each.						
	Qty vide this MB. p. no					Rs.	
						= 60 Nos @ 150/Each	9000.00
7)	Supply and delivery at site brand new (Kirloskar/Sabar/Atlanta/Colossal/Waterman/Radha make Suitable Hp deepwell submersible pumpset suitable for vertical installation in 150 dia. Borewell comprising of single stage or multistage CI pump						

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	close coupled by means of stainless-steel couplings suitable HP, suitable speed totally Enclosed and fitted with pure drinking water squirrel cage submersible induction motor suitable for operation of 3ph. 50Hz-3A/440 volts, AC supply fitted with required accessories such as starters, casing, suction strainers, sand guard, non-return valve etc complete the pump. motor should form an integral unit with all the required fittings. 15.00HP - 25 stage.						
	(a)	= 5 nos	-	-	-	= 5 nos	
	(b) Replacing the fully damaged pump	= 1 no	-	-	-	= 1 no	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 225032

erial No. .....
ame of Work ..... From..... To.....
ame of Contractor of nature of Agency .....
ate of commencement of work .....

ate	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	duriley. Road near Abbyni colony	= 1 no	-	-	-	= 1 no	
						7 nos	485342.20
						@ 69334.60/ Each	
87)	Providing, laying and jointing CE pipes conforming to IS specifications of approved make with fittings, such as collars, bends, elbows, tees, nipples plugs with G.I. threads, U.S.G. White lead on threads, for joints wherever necessary as per direction including all lead and yarn etc complete B' grade (excluding costing fittings) 50 mm dia CE pipes.						

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	be provided the combine Energy mtr cum-Control panel board unit suitable for operation on 3ph. 50Hz, 3A/4W AC supply shall be constructed etc completed T. panel Board, shall be fabricated on single unit, in the above Components, panel board for suitable purpose above components, panel board for suitable purposes above 6.5 HP to 15 HP with stem. delta starter (mtl)						
		7 nos	-	-	-	7 nos / 1 Lot only	10,360.00
10)	Fabricating supplying and providing M.S. Box of 16 SWG suitable for flow	22.11					

M. A. R. 57 (Rule 116)
Measurement Book

No. B 225034

Serial No. .....

Name of Work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	With provisions for bolting heavy duty plates (provided with hinged front cover, Equipped with 3 number prong locking arrangements, with suitable size clamps with necessary Cable entry pipe with gland and box should be painted 2 coats of Red oxide paints and finally painted with approved colour enamelled metal painted complete box of 24600 sq cm.						
	M.S. Box	7 nos	1100.00	20.00	-	154000.00 / 39 sq m	52,360.00

RO.34/39.60

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		qty as del this mb.p.					
		= 1890.00 mtr @ 340.26/mtr				643091.4	
9/	Supplying and drawing 3 core pre sheathed submersible pump cable, manufactured with electrolytic grade copper, conductor confirming to table 3 class 5 of IS: 8130-1984 and virgin grade pvc insulation of sheathed suitable for 1100 volts, 4 sqmm of 56 strands, 0.30 mm dia.						
		qty as del this mb.p	22.5080				
		If no (3) = 3920.00 mtr @ 164.32/mtr				644016.6	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 225033

...rial No. .....
...me of Work ..... From..... To.....
...me of Contractor of nature of Agency .....
...te of commencement of work .....

...ate	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
10/	Supplying and delivering at site board mcw/ spca/ Lotus furnitures/ Adarsh/ CK control but independent make combine energy-meter. Cum-control panel board with of size. 1200H 600W 300mm minimum mechanically strong and vermin and [illegible] proof Units shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key; etc. should be provided inside the door, canopy, Aprons and louvers ventilators shall						

Scanned by CamScanner